

This sheet was last updated on 2.21.19 and is not meant to be exhaustive or authoritative. All of the rates here are intended to be applied through spot spraying with hand held or backpack sprayers. While these rates have been obtained through research and experience, they may not work in all situations and other, more effective methods may exist or be developed. Please use other resources, consult experts, and make observational changes to correctly identify invasives and determine the best herbicide rates. For the most comprehensive, up to date, and research proven methods in Wisconsin we recommend checking the UW Extension weed science page at <http://fyi.uwex.edu/weeds/> and searching for the specific invader. There are fact sheets for many of the invaders listed below with information on other methods and herbicides. **Anyone applying herbicides to an aquatic area must be aquatic certified. Always read and follow proper labels before using herbicides.**

Target Species	Active Ingredient	Application	Percent Rate	Per Gallon Rate of Concentrate	Surfactant?
Aspen	Triclopyr + Aminopyralid	Foliar	1% + 0.05%	1.3 + 0.06 oz/gal water	Yes
	Triclopyr + Aminopyralid	Cut Surface (in oil)	25% + 2%	32 + 2.5 oz/gal Bark Oil LT	
Autumn Olive	Metsulfuron-methyl**	Foliar	0.04%	1.5 g/gal water	Yes
	Triclopyr	Foliar	2%	2.6 oz/gal water	Yes
Black Locust	Aminopyralid	Foliar	0.20%	0.25 oz/gal water	Yes
	Clopyralid*	Foliar	0.70%	1 oz/gal water	Yes
	Clopyralid*	Cut Surface (in water)	10%	12.8 oz/gal water	Yes
	Aminopyralid	Cut Surface/Basal Bark	5%	6.4 oz/gal water or Bark Oil LT	
Black Oak	Clopyralid*	Basal Bark	5%	6.4 oz/gal Bark Oil LT	
	Triclopyr + imazapyr (Stalker)	Cut Surface	25% + 1.50%	32 oz + 2 oz/gal Bark Oil	
Box Elder	Triclopyr	Foliar	2%	2.6 oz/gal water	Yes
	Triclopyr	Cut Surface/Basal Bark	25%	32 oz/gal Bark Oil	
Brush Mixture	Metsulfuron-methyl+ Triclopyr	Foliar	.03% + 2%	0.04 oz + 2.6 oz/gal water	Yes
	Metsulfuron-methyl**	Foliar	0.03%	0.04 oz/gal water	Yes
Buckthorn	Triclopyr	Foliar	2%	2.6 oz/gal water	Yes
	Triclopyr	Cut Surface	25%	32 oz/gal Bark Oil	
	Triclopyr	Basal Bark	5%	6.4 oz/gal Bark Oil	
Canada Thistle	Aminopyralid	Foliar	0.15%	0.2 oz/gal water	Yes
	Clopyralid*	Foliar	0.30%	0.4 oz/gal water	Yes
Cattail	Imazapyr	Foliar	0.60%	0.75 oz/gal water	Yes
	Metsulfuron-methyl**	Foliar	0.03%	0.04 oz/gal water	Yes
Crown Vetch	Aminopyralid	Foliar	0.20%	0.25 oz/gal water	Yes
	Clopyralid*	Foliar	0.30%	0.4 oz/gal water	Yes
Dame's Rocket	Metsulfuron-methyl**	Foliar	0.03%	0.04 oz/gal water	Yes
	Triclopyr	Foliar	2%	2.6 oz/gal water	Yes
European Marsh Thistle	Aminopyralid	Foliar	0.15%	0.2 oz/gal water	Yes
	Clopyralid*	Foliar	0.30%	0.4 oz/gal water	Yes
Garlic Mustard	2,4-D Amine	Foliar	1%	1.3 oz/gal water	Yes
	Triclopyr	Foliar	2%	2.6 oz/gal water	Yes
	Glyphosate**	Foliar	2%	2.6 oz/gal water	Yes
	Metsulfuron-methyl**	Foliar in spring	0.01%	0.01 oz/gal water	Yes
Giant Hogweed	Metsulfuron-methyl**	Foliar in fall	0.03%	0.04 oz/gal water	Yes
	Metsulfuron-methyl**	Foliar	0.03%	0.04 oz/gal water	Yes
	Triclopyr (Element 3A)	Foliar	2.50%	3.2 oz/gal water	Yes
	MCPA, Triclopyr, Dicamba	Foliar	4.00%	5.28 oz/gal water	Yes
Honeysuckle	Glyphosate**	Foliar	4%	5.28 oz/gal water	Yes
	Glyphosate**	Cut Surface	50%	64 oz/gal water	
	Triclopyr	Cut Surface	25%	32 oz/gal Bark Oil	
	MCPA, Triclopyr, Dicamba	Cut Surface/Basal Bark	25%	32 oz/gal Bark Oil	
Japanese Barberry	Metsulfuron-methyl**	Foliar	0.03%	0.04 oz/gal water	Yes
	Triclopyr (Element 3A)	Foliar	4%	5 oz/gal water	Yes
Japanese Hedgeparsley	2,4-D Amine	Foliar	1%	1.3 oz/gal water	Yes
	Metsulfuron-methyl**	Foliar	0.03%	0.04 oz/gal water	Yes
Japanese Knotweed	Imazapyr	Foliar	1%	1.3 oz/gal water	Yes
	Aminopyralid	Foliar	0.30%	0.4 oz/gal water	Yes
Leafy Spurge	Aminocyclopyrachlor + chlorsulfuron	Foliar	0.15%	0.2 oz/gal water	Yes
Multiflora Rose	Metsulfuron-methyl**	Foliar	0.03%	0.04 oz/gal water	Yes
Oriental Bittersweet	Triclopyr	Foliar	2%	2.6 oz/gal water	Yes
	Triclopyr	Cut stem	20%	25 oz/gal oil	
Phragmites	Imazapyr	Foliar	1%	1.2 oz/gal water	Yes
	Glyphosate**	Foliar	0.75%	1 oz/gal water	Yes
Prickly Ash	Imazapyr	Bundle and cut	4.60%	6.0 oz/gal water	Yes
	Triclopyr	Foliar	1%	1.3 oz/gal water	Yes
Purple Loosestrife	Triclopyr	Cut Surface/Basal Bark	25%	32 oz/gal Bark Oil	
	Imazapyr	Foliar	0.50%	0.6 oz/gal water	Yes
Reed Canary Grass	Imazapyr	Cut Surface	2%	3.0 oz/gal water	Yes
	Glyphosate	Foliar	2%	3.0 oz/gal water	Yes
Spotted Knapweed	Clethodim	Foliar	0.30%	0.4 oz/gal water	Yes
	Aminopyralid	Foliar	0.20%	0.25 oz/gal water	Yes
Sumac	2,4-D Amine	Foliar	2.00%	2.6 oz/gal water	Yes
	Aminopyralid	Foliar	0.40%	0.5 oz/gal water	Yes
Sweet Clover	Aminopyralid	Cut Surface (in oil)	5%	6.4 oz/gal water or Bark Oil LT	Yes
	Metsulfuron-methyl**	Foliar	0.03%	0.04 oz/gal water	Yes
Tansy	Aminopyralid	Foliar	0.08%	0.1 oz/gal water	Yes
	Clopyralid*	Foliar	0.20%	0.25 oz/gal water	Yes
Teasel	Metsulfuron-methyl**	Foliar	0.03%	0.04 oz/gal water	Yes
Wild Parsnip	Aminopyralid	Foliar	0.15%	0.2 oz/gal water	Yes
	Clopyralid*	Foliar	0.30%	0.4 oz/gal water	Yes
Wild Parsnip	Metsulfuron-methyl**	Foliar	0.03%	0.04 oz/gal water	Yes

* Transline not for use on sandy soils

**Mixing Instructions for Escort and Glyphosate below

Mixing Instructions

Escort fill tank with 1/4 water and ammonia, add Escort XP while agitating, when dissolved add rest of water then surfactant

Glyphosate fill tank with water, add water conditioner, add Glyphosate then surfactant

Active Ingredient Key

Trade Name	Active Ingredient	Trade Name	Active Ingredient	Trade Name	Active ingredient
Milestone	Aminopyralid	2,4-D Amine	2,4-D Amine	Vastlan or Garlon 3A	Triclopyr (can be applied in aquatic environments)
Transline	Clopyralid	Glyphosate	Glyphosate	Polaris	Imazapyr (can be applied in aquatic environments)
Escort	Metsulfuron-methyl			Stalker	Imazapyr (oil soluble)
Intensity	Clethodim			Perspective	Aminocyclopyrachlor + chlorsulfuron
Garlon 4	Triclopyr (oil soluble)			Progeny	MCPA, Triclopyr, Dicamba